

**WHAT IS CLAIMED IS:**

1. An infrared ray irradiation apparatus for a night vision system apparatus,  
comprising:
  - a lamp;
  - 5 a rectilinear actuator for rectilinearly moving said lamp;
  - a tube made of a transparent material and configured to receive said  
rectilinearly moving lamp;
  - a reflector surrounding said tube from one end of said tube along a  
rectilinear direction in which said lamp is inserted into said tube; and
  - 10 an infrared ray transmitting filter installed at a designated portion of said  
tube for shielding said lamp from said reflector.
2. The infrared ray irradiation apparatus as set forth in claim 1, wherein said  
infrared ray transmitting filter is installed at a position of said tube, in which rays  
15 from said lamp irradiated toward a central portion of said reflector are passed  
through.
3. The infrared ray irradiation apparatus as set forth in claim 1, wherein said  
infrared ray transmitting filter is in a ring shape installed at a contact portion  
20 between said reflector and said tube so that said tube is surrounded by said infrared  
ray transmitting filter.
4. An infrared ray irradiation apparatus for a night vision system apparatus,  
comprising:
  - 25 a lamp;
  - a rectilinear actuator for rectilinearly moving said lamp;
  - a tube made of a transparent material configured to receive said  
rectilinearly moving lamp; and
  - a reflector surrounding the tube from one end of said tube along a  
30 rectilinear direction in which said lamp is inserted into said tube,  
wherein said reflector includes an infrared ray reflecting filter installed at a  
designated position for allowing visible rays to pass through and reflecting infrared  
fays.

5. The infrared ray irradiation apparatus as set forth in claim 4, wherein said infrared ray reflecting filter is installed at a central portion of said reflector so that said tube is surrounded by said infrared ray reflecting filter.